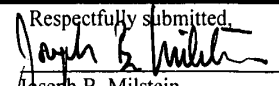


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10037661-010402  
J1050 U.S. PTO  
10/037661

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	MIT-132 (5473/145)
	First Named Inventor	Chen et al.
	Title	VACUUM ELECTRON DEVICE WITH PHOTONIC BANDGAP STRUCTURE AND METHOD OF USE THEREOF

APPLICATION ELEMENTS	ADDRESS TO: <b>Box Patent Application Commissioner for Patents Washington, D.C. 20231</b>
1. <input checked="" type="checkbox"/> Fee Transmittal Form	<b>ACCOMPANYING APPLICATION PARTS</b>
2. <input type="checkbox"/> Small Entity Status <input type="checkbox"/> Applicant claims small entity status <input type="checkbox"/> Status established in prior application and is still proper and desired	
3. <input checked="" type="checkbox"/> Specification and Drawings [Total Pages 39] - Written Description - (22 pages) - Claims - (3 pages) - Abstract - (1 page) - Sheets of Drawings - (13 sheets) <input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal	
4. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 4] a. <input checked="" type="checkbox"/> Newly executed (original) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]	
5. <input type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked) The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	8. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney
6. <input checked="" type="checkbox"/> Application Data Sheet (2 pages)	9. <input type="checkbox"/> English Translation Document (if applicable)
7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <input type="checkbox"/> Computer Readable Form (CRF) <input type="checkbox"/> Paper Copy (identical to computer copy) <input type="checkbox"/> CD (2 copies) (identical to computer copy) <input type="checkbox"/> Statement verifying identity of above copies	10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations
17. <input type="checkbox"/> If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence: --This is a <input type="checkbox"/> continuation <input type="checkbox"/> divisional <input type="checkbox"/> continuation-in-part of prior application Serial No. / , filed on , , the entire disclosure of which is incorporated by reference herein.-- <b>Priority to the above application(s) is claimed under 35 U.S.C. 120.</b> Prior application information: Examiner: . Group/Art Unit: .	11. <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Drawings [Total Sheets ]
18. <input checked="" type="checkbox"/> Priority - 35 U.S.C. 119 <input checked="" type="checkbox"/> Priority of application Serial No. 60/278,131 filed on March 23, 2001 in USA is claimed under 35 U.S.C. 119. <input type="checkbox"/> The certified copy has been filed in prior U.S. application Serial No. / on . <input type="checkbox"/> The certified copy will follow.	12. <input checked="" type="checkbox"/> Return Receipt Postcard (specifically itemized)
<b>CORRESPONDENCE ADDRESS</b> Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100 Customer No. 021323	<b>SIGNATURE BLOCK</b> Date: January 4, 2002 Reg. No. 42,897 Tel. No.: (617) 248-7695 Fax No.: (617) 248-7100 Respectfully submitted,  Joseph B. Milstein Attorney for Applicant(s) Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110

VER 10/01

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# FEE TRANSMITTAL

## FY 2002

Complete if Known

Application Serial Number	
Filing Date	January 4, 2002
First Named Inventor	Chen et al.
Group Art Unit	
Examiner Name	
Attorney Docket No.	MIT-132 (5473/145)

## METHOD OF PAYMENT

1. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.

- ☐ Required Fees (copy of this sheet enclosed).  
☐ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.

3. ☐ Applicant claims small entity status.

## FEE CALCULATION

## 1. FILING FEE

Large Entity Fee (\$)	Fee Description	Fee Paid
740	Utility filing fee	740.
330	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
Total Claims	12	- 20 = 0	x \$ 18.00 =	
Independent Claims	8	- 3 = 5	x \$ 84.00 =	420.

☐ Multiple Dependent Claim(s), if any \$280.00 =

TOTAL: 1160.

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$ 1160

## 2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$ 18.00 =	
Indep.	-	=	x \$ 84.00 =	
			+ \$280.00 =	

☐ First Presentation of Multiple Dep. Claim

TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$)

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
400	200	Extension for reply within second month	
920	460	Extension for reply within third month	
1440	720	Extension for reply within fourth month	
1960	980	Extension for reply within fifth month	
320	160	Notice of Appeal	
320	160	Filing a brief in support of an appeal	
280	140	Request for oral hearing	
130	130	Petitions to the Commissioner	
180	180	Submission of Information Disclosure Statement	
740	370	Filing a submission after final rejection (37 CFR 1.129(a))	
740	370	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	

Other fee (Specify)

Other fee (Specify)

SUBTOTAL (3) (\$)

SUBTOTAL (1) 1160

SUBTOTAL (2)

SUBTOTAL (3)

TOTAL (\$ 1160

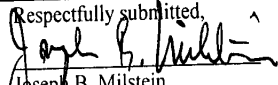
## CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower-125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Date: January 4, 2002  
 Reg. No.: 42,897  
 Tel. No.: 617-245-7695  
 Fax No.: (617) 248-7100

Respectfully submitted,  
  
 Joseph B. Milstein  
 Attorney for the Applicants  
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 Boston, MA 02110